

APPENDIX E. CONTINUED

Members and affiliations of the focus groups who participated in refining and scoring Vital Signs for the Great Lakes Inventory and Monitoring Network.

Air and Aquatic Resources Group:

Name	Affiliation	Area of professional expertise
Tonnie Maniero	NPS-Air Resources Division Air Resource Field Specialist	Air resources
David Pohlman	NPS-Air Resources Division Regional Air Quality Coordinator	Air resources
Jim Wiener, Ph.D.	University of Wisconsin-LaCrosse Distinguished Professor	Aquatic ecotoxicology, biogeochemistry of mercury and heavy metals.
Randy Ferrin	NPS-St. Croix National Scenic Riverway Chief, Resource Management Division	Air and water resources
Brenda Moraska Lafrancois, Ph.D.	NPS-Midwest Region Great Lakes Area Aquatic Ecologist	Aquatic ecology
Jay Glase	NPS-Midwest Region Fishery Biologist	Aquatic biology
Ken Lubinski, Ph.D.	USGS-Upper Midwest Environmental Sciences Center Aquatic Scientist	River ecology, monitoring, and modeling
Glenn Guntenspergen, Ph.D.	USGS-Patuxent Wildlife Research Center Research Ecologist	Wetland, landscape, and urban ecology research
Larry Kallemeyn, Ph.D.	USGS- International Falls Field Research Station Station Leader	Aquatic biology
Lora Loope	NPS-Pictured Rocks National Lakeshore Aquatic Ecologist	Aquatic biology, primary producers, diatoms
Dan Engstrom, Ph.D.	Science Museum of Minnesota Director, St. Croix Watershed Research Station and Adjunct Professor, Geology and Geophysics, University of Minnesota	Paleolimnology, sediment geochemistry
Richard Axler, Ph.D.	University of Minnesota-Duluth Natural Resource Research Institute Senior Research Associate, Center for Water and the Environment and Director, Central Analytical Laboratory	Water quality management and restoration

APPENDIX E. CONTINUED

Joe Mayasich, Ph.D.	University of Minnesota-Duluth Natural Resource Research Institute Research Associate, Center for Water and the Environment	Aquatic biology, ecological risk assessment
Gary Vequist	NPS-Midwest Region Associate Regional Director	Aquatic resources

Terrestrial and Wetlands Group:

Name	Affiliation	Area of professional expertise
JoAnn Hanowski	University of Minnesota-Duluth Natural Resource Research Institute Senior Research Fellow, Center for Water and the Environment	Avian ecology, forest management
Jerry Belant, PhD candidate	NPS-Pictured Rocks National Lakeshore Center Director, Pictured Rocks Science Center and Terrestrial Ecologist	Wildlife ecology
Noel Pavlovic, Ph.D.	USGS- Great Lakes Science Center, Lake Michigan Ecological Station Ecologist	Oak Savanna/woodland/forest ecology, invasive species, rare plant demography, community ecology, statistical analysis
Walter Loope, Ph.D.	USGS-Great Lakes Science Center, Munising Biological Station Ecologist	Physiographic ecology, disturbance ecology, historical ecology
Tom Rooney, Ph.D.	University of Wisconsin-Madison Assistant Scientist, Department of Botany	Population and community ecology, forest plant communities
John Gross, Ph.D.	NPS-Intermountain Region Ecologist	Ecosystem ecology, quantitative ecology, resource monitoring
Jim Meeker, Ph.D.	Northland College Associate Professor of Biology and Natural Resources	Wetland ecology
Phyllis Adams, Ph.D.	NPS-Midwest Region Regional Inventory and Monitoring Coordinator	Forest monitoring
George Host, Ph.D.	University of Minnesota-Duluth Natural Resource Research Institute Senior Research Associate, Center for Water and the Environment and Director, GIS Laboratory	Wetland ecology